

ZVONKOV, V.V., prof.; FOMKINSKIY, L.I., inzh.. Prinimali uchastiye:
STRUNNIKOVA, V.P., inzh.; POKROVSKAYA, I.K., inzh.; DZADZAMIYA,
L.A., tekhnik; SHAPOSHNIKOV, Ye.M., inzh.. KHOBOTOV, Yu.A.,
red.; BOBROVA, V.A., tekhn.red.

[Ship tractive and propulsive speed calculations; a proposed
guide] Sudovye tiagovye i skorostnye raschety; proekt rukovodstva. Moskva, izd-vo "Rechnoi transport," 1959. 213 p.
(MIRA 13:7)

1. Chlen-korrespondent Akademii nauk SSSR (for Zvonkov).
2. Tsentral'nyy nauchno-issledovatel'skiy institut ekonomiki i ekspluatatsii vodnogo transporta (for Shaposhnikov).
(Towing) (Ship propulsion)

SHAPOSHNIKOV, Ye.M.

Method of estimating the speed of a tow being pushed in a sluice-way.
Rech. transp. 18 no.4:17-21 Ap '59. (MIRA 13:1)
(Towing)

SHAPCHENKOV, Ye. M., Cand Tech Sci -- (diss) "Research into the effect of inertial properties of thrust compositions on the organization of their motion on gassed systems." Gor'kiy, 1960. 14 pp with illustrations; (Ministry of River Fleet RSFSR, Gor'kiy Inst of Water Transport Engineers); 200 copies; price not given; (KL, 27-60, 156)

POSTNIKOV, Anatoliy Vasil'yevich, kand. tekhn. nauk; ATLAS, Boris Aleksandrovich, kand. ekon. nauk. Primali uchastiye: SHAPOSHNIKOV, Ye.M., kand. tekhn. nauk; MATSVEYKO, A.N., inzh.; STOLBOV, A.G., inzh.; GDALEVICH, S.S.; ALEKSANDROV, V.V., inzh.; NEVOLIN, V.V., inzh. retsenzent; KUZNETSOVA, L.N., retsenzent; DROZDOV, B.M., nauchn. red.; MAKRUISHINA, A.N., red.

[Use of computing techniques in water transportation] Primenenie vychislitel'noi tekhniki na vodnom transporte. Moskva, Transport, 1965. 215 p. (MIRA 18:7)

1. Kafedra ekspluatatsii Novosibirskogo instituta inzhenerov vodnogo transporta (for Drozdov).

CHAIKIN, Ye. P., Civil Tech Sci -- (diss) "Effect of previous stress on the limits of armor and supporting capacity of reinforced concrete beams, armored with rigid steel." Khar'kov, 1960. 13 pp; 1 page of tables; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Khar'kov Construction Engineering Inst); 150 copies; free; (KL, 21-60, 126)

SOV/177-58-1-22/25

17(8)

AUTHOR: Shaposhnikov, Yu.G., Senior Lieutenant of the Medical Corps

TITLE: A Lather-Producing Device (Pribor dlya polucheniya myl'noy peny)

PERIODICAL: Voenno-meditsinskiy zhurnal, Nr 1, 1958, p 88 (USSR)

ABSTRACT: The author suggests a device for producing any quantity of lather (drinking soda 20.0; soft soap 20.0; aqua ammonia 5.0; distilled water 750.0) which is widely used for cleaning burnt surfaces. The capacity of the device is sufficient for treating any burnt area. The device is sterilized in an autoclave or in boiling water. Its hermetic seal guarantees sterility of the lather obtained. There are 2 diagrams.

Card 1/1

SHAPOSHNIKOV, Yu.G.

Plastic surgery of the peripheral blood vessels using alloplastic
materials. Eksper.khir. 4 no.5:8-11 S-O '59. (MIRA 13:1)
(POLYVINYLS)
(BLOOD VESSELS, surgery)

PALAMARCHUK, A.K., podpolkovnik meditsinskoy sluzhby; SHAPOSHNIKOV, Yu.G.,
starshiy leytenant meditsinskoy sluzhby

Local potentiated anesthesia as revealed by data from a hospital.
Voen.-med. zhur. no.8:82 Ag '61. (MIRA 15:2)
(LOCAL ANESTHESIA)

SHAPOSHNIKOV, Yu.G.; SHAPOSHNIKOV, G.D.(Moskva)

Single staple blood vessel suturing apparatus with a magazine.
Eksper. khir. i anest. no.2:13-16'63. (MIRA 16:7)

(BLOOD VESSELS—SURGERY) (STAPLERS (SURGERY))

SHAPOSHNIKOV, Yu.G. (Moskva)

Use of autoplast veins reinforced by perlon casings for
plastic surgery of peripheral arteries under experimental
conditions. Eksper. khir. i anest. 8 : 1972-73, 41 Ag 1973.
(MIRA 17:5)

SHAPOVSHNIKOV, Y.I.G.

Plastic surgery on the seromuscular layer of the gastric wall using
synthetic material; experimental study. Eksp. khir. i anast. 9 no.2:
46-50 Mr-Apr '64. (MIRA 17:11)

1. Glavnyy voyennyy gosspital' imeni Burdenko i Institut khirurgii
imeni Vishnevskogo (dir. - deystvitel'nyy chlen AMN SSSR prof. A.
A. Vishnevskiy) AMN SSSR, Moskva.

GULYAKIN, N.F.; FORIN, N.N.; SHAPOSHNIKOV, Yu.G. (Moskva)

Some aspects of the use of oxygen under increased pressure in
an experiment and in a clinic. Eksper. khir. i anest. 9 no.3:
8-13 My-Je '64. (MIRA 18:3)

SHAPOSHNIKOV, Yu.G., kand. med. nauk (Moskva, ul. Chaykovskogo, d.18, kv.6);
TIKHACHEV, Yu.P.

Chondromyxoid tumors of the extremities. Vest. khir. 92 no.6:
105-107 Je '64. (MIRA 18:5)

1. Iz Glavnogo voyennogo gosptalya imeni akademika N.N. Burdenko.

SHAPOSHNIKOV, Yu.G.

Mechanical strength of the wall of the stomach. Eksper. khir.
i anest. no.1:46-51 '65. (MIRA 18:11)

1. Glavnyy voyennyy gosptial' imeni N.M. Burdenko (nachal'nik -
M.M. Gilenko) i Institut khirurgii imeni A.V. Vishnevskogo
(direktor - deystvitel'nyy chlen AMN SSSR prof. A.A. Vishnevskiy)
AMN SSSR, Moskva.

L 26739-66 · EWT(m) JD

ACC NR: AP6007881

(A,N)

SOURCE CODE: UR/0177/66/000/002/0030/0032

AUTHOR: Shaposhnikov, Yu. G. (Major in medical service, Candidate of medical sciences);
Gulyakin, M. F. (Colonel in medical service); Fomin, N. N. (Lieutenant colonel in
 medical service, Candidate of medical sciences) 32
 31

ORG: none 27 B

TITLE: Use of oxygen under high pressure in certain pathological states. (Experi-
 mental investigation)

SOURCE: Voenno-meditsinskiy zhurnal, no. 2, 1966, 30-32

TOPIC TAGS: blood circulation, high pressure chamber, experiment animal, rabbit 32

ABSTRACT: The effect of oxygen under pressure on sluggish peripheral blood circula-
 tion in animals was studied. The decrease in peripheral blood circulation was brought
 about by clamping the abdominal aortas immediately, above the bifurcation or by tying
 both outer long arteries. The operations were performed on 12 rabbits under local
 anesthesia. Marked muscular paralysis of the hind extremities, followed by adynamia
 ensued. All six animals used as controls died: five, one day after the operation
 and one on the sixth day. Of the experimental animals (kept in oxygen tank under 2
 atm pressure), one died one day following the operation, two on the fourth day and
 three on the fifth day. During this period, the experimental animals showed activity, 2

Card 1/2

: 26739-66

ACC NR: AP6007881

took food and liquid. In another experiment, 30 rabbits were used (15-15). Their outer long arteries were tied and cut. The experimental animals were kept 2 hours daily in an oxygen chamber for 5-8 days. They showed activity, good orientation, ate and drank and the signs of the paralysis disappeared. After removal from the chamber, the paralysis reappeared after 10-15 min. After each treatment the symptoms of paralysis diminished and in some cases disappeared completely. Chronaxia increased after the operation in all animals by some $1\frac{1}{2}$ -2 times. After oxygen treatment it was lowered by some 200 times. Tissue oxygen saturation was tested and shown to be ten times as high for the oxygen-treated animals as for the controls. Clamping of abdominal aorta and ligatures of long arteries without oxygen therapy produced necrosis of the hip muscles, a phenomenon absent in the treated group.

SUB CODE: 06/

SUBM DATE: 00/

ORIG REF: 000/

OTH REF: 000

Card 2/2 *KV*

76-32-4-23/43

AUTHOR: Shaposhnikov, Yu K

TITLE: The Enrichment of the Heavy Carbon Isotope by a Chemical Method (Kontsentrirovaniye tyazhelogo izotopa ugleroda khimicheskim metodom)

PERIODICAL: Zhurnal Fizicheskoy Khimii. 1958, Vol 32, Nr 4, pp 869-874 (USSR)

ABSTRACT: In a work by M. K. Shchennikova (Ref 6) it was shown that an aqueous solution of monoethanolaminobicarbonate can be used as operating liquid in the bicarbonate method of the C^{13} -enrichment, which supplies some technical advantages in operation. The introduction of the ferment of carbonanhydrazis in form of alcohol chloroform solution increases the reaction velocity and thus the separating factor of the column as was proved by various experiments. As can be seen from the experimental part the isotopic exchange was carried out in a reflux column, C^{14} was used as indicator and monoethanolaminocarbonate was decomposed by boiling. It was found that the maximal factor of separation of the column is obtained at a concentration of 0,9 - 1,0 Mol/l monoethanolaminocarbonate as well as at a temperature of from 15 - 25°C; these dependences are calculated.

Card 1/2

The Enrichment of the Heavy Carbon Isotope by a Chemical Method 76-32 4 23/43

ed according to an equation by Cohen (Ref 12) Comparative experiments with activated charcoal and silicagel(1)CM were carried out and it was found that no catalytic action on either of them is present, only with the latter a slight increase of the factor of separation was noticed. An addition of the enzyme of carbonhydrazis also effected an increase of the factor of separation of the column by almost the double; here the separation of carbon dioxide from the operating liquid decreases to a minimal value. Further experiments showed, however, that these effects can also be obtained by an addition of a 3% ethanol solution (without enzyme); here also the time of adjustment of the equilibrium could be shortened by 50%. Finally the author thanks I. A. Korshunov for his help. There are 6 figures and 14 references, 8 of which are Soviet.

ASSOCIATION: Gor'kovskiy gosudarstvennyy universitet im. N. I. Lobachevskogo (Gorkiy State University imeni N. I. Lobachevskiy)

SUBMITTED: December 29, 1956

AVAILABLE: Library of Congress

Card 2/2 1. Carbon isotopes--Exchange reactions 2. Monoethanolamino--carbonate--Applications

SHAPOSHNIKOV, Yu.K.; VEDENEYEV, K.P.; VODZINSKIY, Yu.V.; LAZAREVA, N.K.

Determining of butanol in butyl acetate with the method of gas-liquid chromatography. Gidroliz.i lesokhim.prom. 15 no.6: 22-24 '62. (MIRA 15:9)

1. Tsentral'nyy nauchno-issledovatel'skiy i proyektnyy institut lesokhimicheskoy promyshlennosti (for Shaposhnikov, Vedeneyev, Vodzinskiy). 2. Dmitriyevskiy lesokhimicheskiy zavod (for Lazareva).

(Gas chromatography) (Butanol)

PLOKHOVA, Ye.I.; SHAPOSHNIKOV, Yu.K. (Gor'kiy)

Absorption, distribution, and excretion of labeled sulfuric acid. Gig. truda i prof. zab. 6 no.12:37-40 D'62. (MIRA 16:7)

1. Institut gigiyeny truda i professional'nykh bolezney, Gor'kiy.
(SULFURIC ACID—PHYSIOLOGICAL EFFECT)

CHUDINOV, S.V.; VEDENEYEV, K.P.; SHAPOSHNIKOV, Yu.K.

Reaction products of the irreversible catalysis of monocyclic terpenes. *Gidroliz. i lesokhim.prom.* 16 no.1:13-14 '63. (MIRA 16:2)

1. Tsentral'nyy nauchno-issledovatel'skiy i proyektnyy institut lesokhimicheskoy promyshlennosti.
(Terpenes) (Catalysis)

SHAPOSHNIKOV, Yu.K.; VEDENEYEV, K.P.; VODZINSKIY, Yu.V.

Separate determining of the butyl esters of volatile acids by
the gas-liquid chromatography method. Gidroliz. i lesokhim.
prom. 16. no.6:20-22 '63. (MIRA 16:10)

1. TSentral'nyy nauchno-issledovatel'skiy i proyektnyy institut
lesokhimicheskoy promyshlennosti.

KOSYUKOVA, L.V.; VODZINSKIY, Yu.V.; SHAPOSHNIKOV, Yu.K.

Chromatographic analysis of higher fatty acids in wood chemical products. *Gidroliz. i lesokhim. prom.* 16 no.7 :9-11 '63.
(MIRA 16:11)

1. Tsentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy institut.

SHAIKHNIKOV, Yu.K.; VELENIYEV, K.P.; DRUSKINA, E.T.; KOSYUKOVA, L.V.;
~~VELENIYEV, Yu.V.~~

Use of gas chromatography for the analysis of butyl acetate
obtained from various technological raw materials. Sbor.
trud. TSMILKHI no.15:100-112 '63.

(MIRA 17:11)

SHAPOSHNIKOV, Yu.K.; VONZINSKIY, Yu.V.; KOSYUKOVA, L.V.; DRUSKINA, E.Z.

What causes the increase of acidity in butyl acetate? Gidroliz.
i lesokhim. prom. 17 no.6:5-7 '64. (MIRA 17:12)

1. Tsentral'nyy nauchno-issledovatel'skiy i proyektnyy institut
lesokhimicheskoy promyshlennosti.

BRISHEN, A.Z.; SHAPVALNIKOV, E.Z.; VOGLINSKIY, Ya.Y.

Determination of impurities in ethyl acetate by gas-liquid chromatography. Zav. lab. 30 no.11:1333 '82 (MIRA 18:1)

1. Tsentral'nyy nauchno-issledovatel'skiy i proyektnyy institut khimicheskoy promyshlennosti.

GUSEVA, E.A.; SHAPOSHNIKOV, Yu.K.

Functional state of the thyroid gland in persons having come into
contact with granosan. Gig. truda i prof. zab. 4 no.6:32-35 Je '60.
(MIRA 15:4)

1. Institut gigiyeny truda i professional'nykh zabolevaniy, Gor'kiy.
(THYROID GLAND) (IODINE--ISOTOPES) (ETHYL CHLORIDE--TOXICOLOGY)

SHAPOSHNIKOV, Yu.K.; BERLINA, V.B.; VODZINSKIY, Yu.V.

Using the method of paper chromatography for the analysis of
monobasic fatty acids. *Gidroliz. i lesokhim.prom.* 15 no.1:15-17
'62. (MIRA 18:3)

1. Tsentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy Institut.

DEUSKINA, E.Z.; SHAPOSHNIKOV, Yu.K.; VODZINSKIY, Yu.V.; CHASHCHIN, A.M.

Determination of lower fatty acids and their ethyl esters by
gas-liquid chromatography. *Gidroliz. i lesokhim. prom.* 17 no.3:
15-17 '64. (MIRA 17:9)

1. Tsentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy
institut.

GLORIOZOV, Pavel Aleksandrovich; KLESHCHEVA, Yelena Pavlovna, starshiy nauchnyy sotr.; SHAPOSHNIKOVA, A.A., red.; NOVOSELOVA, V.V., tekhn. red.

[Methodology of teaching chemistry in eight-year schools; the seventh grade] Metodika prepodavaniia khimii v vos'miletnei shkole; VII klass. Moskva, Izd-vo Akad. pedagog.nauk RSFSR, 1961. 199 p. (MIRA 15:7)

1. Chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR (for Gloriovov).
(Chemistry---Study and teaching)

SHAPOSHNIKOVA, A.A.

BERMAN, L.V.; KALASHNIKOV, A.G., professor, redaktor; SHMIDT, V.O.,
redaktor; SHAPOSHNIKOVA, A.A., redaktor; TYSHKEVICH, Z.V.,
tekhnicheskiy redaktor.

[Study of automobiles and tractors; extra curricular assignments
and work outside of school] Izuchenie avtomobilia i traktora; vo
vneklassnoi i vneshkol'noi rabote. Pod red. A.G.Kalashnikova.
Moskva, Izd-vo Akademii pedagogicheskikh nauk RSFSR, 1955. 57 p.
illus. (MLRA 8:11)

1. Deystvitel'nyy chlen APN RSFSR (for Kalashnikov).
(Automobiles--Handbooks, manuals, etc.)
(Tractors--Handbooks, manuals, etc.)

VLADIMIROV, Yaroslav Vladimirovich; SHAPOSHNIKOVA, A.A., redaktor; SOKOLOVA,
R.Ya., tekhnicheskiiy redaktor.

[Drawing room in the secondary school, a manual for teachers]
Kabinet chercheniia srednei shkoly; posobie dlia uchitelei. Moskva,
Izd-vo Akademii pedagog. nauk RSFSR, 1956. 62 p. (MLRA 10:3)
(Mechanical drawing)

VLADIMIROV, Yaroslav Vladimirovich; KALICHEVSKAIA, Valentina Antonovna;
SHAPOSHNIKOVA, A.A., redaktor; MUKHINA, T.N., tekhnicheskii re-
daktor:

[Teaching mechanical drawing in school] Prepodavanie cherchenia
v shkole. Moskva, Izd-vo Akademii pedagog.nauk RSFSR, 1956. 155 p.
(Mechanical drawing--Study and teaching) (MLRA 9:5)

FEDOROVA, Yelizaveta Nikolayevna; ROSTOVTSEVA, V.I., red.; SHAPOSHNIKOVA,
A.A., red.; TARASOVA, V.V., tekhn.red.

[Methods of studying solutions in secondary schools] Metodika
izucheniia rastvorov v srednei shkole. Pod red. V.I.Rostovtsvoi.
Moskva, Izd-vo Akad. pedagog.nauk RSFSR, 1957. 22 p.
(Solution (Chemistry)) (MLPA 10:12)

SEME NOV, Petr Semenovich, instruktor po trudovomu sel'skokhozyaystvennomu obucheniyu; KORSUNSKAYA, V.M., red.; SHAPOSHNIKOVA, A.A., red.; TARASOVA, V.V., tekhn.red.

[Farm labor in children's homes; practices of Staraya Ledoga Children's Home No.1] Sel'skokhoziaistvennyi trud v detskom dome; iz opyta Staroladozhskogo detskogo doma No.1. Pod red. V.M.Korsunskoi. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1957. 36 p. (MIRA 11:2)
(Agriculture--Study and teaching)

СНОВАНА, А. А.

НАЧАЛЬНИК, Федор Леонидович, автор; ТУСОВ, И.И., ответственный редактор;
СНАПОСНИКОВ, А.А., редактор; СОКОЛОВ, А.Я., технический редактор;
СНОВАНА, А. А., технический редактор

[School teachers] Служебный теодолит и измерительные работы с ним на местности. Москва, Изд-во Акад. педагог. наук РСФСР, 1957. 62 p.

(ML 10:10)

1. Средняя школа №3 г. Зерково Челябинской обл. (for Kachapkin)
(Theodolites)

SHAPOSHNIKOVA, A.A.
MUROMTSEV, Kirill Alekseyevich, uchitel'; ZNAMENSKIY, P.A., prof., red.;
SHAPOSHNIKOVA, A.A., ed.; LAUT, V.G., tekhn.red.

~~Prakticheskie raboty po elektrotekhnike v shkole~~
[Practical work in electric engineering in the schools] Prakticheskie
raboty po elektrotekhnike v shkole. Pod red. P.A.Znamenskogo.
Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1957. 74 p. (MIRA 11:4)

1. Shkola No.250 Leningrada (for Muromtsev). 2. Chlen-korrespondent
APN RSFSR (for Znamenskiy)
(Electric engineering)

GLORIOZOV, Pavel Aleksandrovich; SHAPOSHNIKOVA, A.A., redaktor;
MUKHINA, T.N., tekhnicheskiiy redaktor; TARASOVA, V.V.,
tekhnicheskiiy redaktor

[The teaching of chemistry in the 7th grade] Prepodavanie khimii v
VII klasse. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1957. 142 p.
(MLRA 10:5)

(Chemistry--Study and teaching)

SHAPOSHNIKOVA
YENOKHOVICH, Anatoliy Sergeyevich; SHAPOSHNIKOVA, A.A., red.; ZNAMENSKIY,
A.A., red.; LAUT, V.G., tekhn.red.

[Engineering handbook; a manual for teachers of physics] Kratkii
spravochnik po tekhnike; posobie dlia uchitelei fiziki. Moskva,
Izd-vo Akad. pedagog. nauk RSFSR, 1957. 194 p. (MIRA 11:4)
(Engineering--Tables, calculations, etc.)

SHAPOSHNIKOV, V. V.

VLADIMIROV, Yaroslav Vladimirovich; KALISHEVSKAYA, Valentina Antonovna;
SHAPOSHNIKOVA, A.A., red.; SOKOLOVA, R.Ya., tekhn.red.

[Teaching mechanical drawing in the schools] Prepodovanie cherchenia
v shkole. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1957. 228 p.
(MIRA 11:4)

(Mechanical drawing--Study and teaching)

SHEVCHENKO, Ivan Nikitich; TSVETKOV, I.L., red.; SHAPOSHNIKOVA, A.A., red.;
TARASOVA, V.V., tekhn. red.

[Elements of approximate computation] Nachal'nye svedeniia o pribli-
zhennykh vychisleniakh. Moskva, Izd-vo Akad. pedagog. nauk RSRSR,
1958. 34 p. (MIRA 11:7)

(Approximate computation)

LEVASHOV, Vladimir Ivanovich, zasluzhennyy uchitel' shkoly RSFSR; KHODAKOV, Yu.V., prof., red.; SHAPOSHNIKOVA, A.A., red.; SOKOLOVA, R.Ya., tekhn. red.

[Evening of entertaining chemistry in school] Večer zanimatel'noi khimii v shkole. Pod red. IU.V.Khodakova. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1958. 52 p. (MIRA 14:7)

1. Chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR (for Khodakov)

(Chemistry—Study and teaching)

DRIZOVSKAYA, Tamara Mikhaylovna; KOPTEKOVA, L.A., red.; SHAPOSHNIKOVA, A.A.,
red.; LAUT, V.G., tekhn. red.

[Using educational motion pictures in chemistry lessons] Ispol'zovanie uchebnykh kinofil'mov na urokakh khimii. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1958. 76 p. (MIRA 14:7)
(Chemistry—Study and teaching) (Motion pictures in education)

EPSHTEYN, David Arkad'yevich, doktor tekhn.nauk; SHAPOSHNIKOVA, A.A.,
red.; SOKOLOVA, R.Ya., tekhn.red.

[Visual aids in the study of chemical industries in secondary
schools; description of the aids and methods of using them]
Nagliadnye posobiia po khimicheskim proizvodstvam dlia srednei
shkoly; opisanie posobii i metodika ikh ispol'zovaniia. Moskva,
Izd-vo Akad.pedagog.nauk RSFSR, 1958. 106 p. (MIRA 13:4)

1. Chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR (for
Epshteyn).

(Chemical engineering--Equipment and supplies)
(Visual aids)

ZHIDELEV, Mikhail Aleksandrovich.; SHAPOSHNIKOVA, A.A., red.; LAUT, V.G.,
tekhn. red.

[Study of machinery in grades eight to ten of urban secondary
schools; practical instruction for teachers] Mashinovedenie v
VIII-X klassakh gorodskoi srednei shkoly; metodicheskoe posobie
dlia prepodavatelei. Izd. 2., ispr.i dop. Moskva, Izd-vo Akad.
pedagog. nauk RSFSR, 1958. 279 p. (MIRA 11:11)
(Machinery)

GOSTEV, Mikhail Mikhaylovich[deceased],; SHAPOSHNIKOVA, A.A., red.; LAUT,
V.G., tekhn. red.; TARASOVA, V.V., tekhn. red.

[Chemistry clubs in schools] Khimicheskii kruzhok v shkole. Moskva,
Izd-vo Akad. pedagog. nauk RSFSR, 1958. 354. (MIRA 11:11)
(Chemistry--Study and teaching)

GLORIOZOV, Pavel Aleksandrovich; SHAPOSHNIKOVA, A.A., red.; NOVOSELOVA,
V.V., tekhn.red.

[Forming of skills and habits in the study of chemistry] Formi-
rovanie umenii i navykov v protsesse obucheniia khimii. Moskva,
Izd-vo Akad.pedagog.nauk RSFSR, 1959. 84 p. (MIRA 13:10)
(Chemistry--Study and teaching)

PARMENOV, Konstantin Yakovlevich; SHAPOSHNIKOVA, A.A., red.; TARASOVA,
V.V., tekhn.red.

[Chemistry laboratory practice in secondary schools] Khimicheskii
eksperiment v srednei shkole. Moskva, Izd-vo Akad.pedagog.nauk
RSFSR, 1959. 358 p. (MIRA 12:11)
(Chemistry--Study and teaching) (Chemistry--Experiments)

KUZ'MINA, Serafima Alekseyevna; FETISOV, A.I., red.; GUS'KOV, G.G., red.;
SHAPOSHNIKOVA, A.A., red.; NOVOSELOVA, V.V., tekhn.red.

[Demonstrating theorems in the 6th grade geometry course] O dokazatel'stve teorem v kurse geometrii VI klassa. Pod red. A.I. Fetisova. Moskva, Izd-vo Akad.pedagog.nauk RSFSR, 1960. 49 p.
(MIRA 13:12)

(Geometry--Study and teaching)

BASHKATOV, Mikhail Nikolayevich; OGORODNIKOV, Yuriy Filippovich;
REZNIKOV, L.I., red.; SHAPOSHNIKOVA, A.A., red.; LAUT, V.G.,
tekhn.red.

[School experiments in wave optics; aid for teachers] Shkol'nye
opyty po volnovoi optike; posobie dlia uchitelei. Pod red.
L.I.Reznikova. Moskva, Izd-vo Akad.pedagog.nauk RSFSR, 1960.
78 p. (MIRA 14:1)

(Optics)

ROSTOVTSEVA, Valentina Il'ichna; SHAPOSHNIKOVA, A.A., red.; NOVOSELOVA,
V.V., tekhn.red.

[Problems in teaching chemistry] Voprosy prepodavaniia khimii.
Moskva, Izd-vo Akad.pedagog.nauk RSFSR, 1960. 114 p.
(MIRA 13:10)

(Chemistry--Study and teaching)

DRIZOVSKAYA, Tamara Mikhaylovna; GLORIOZOV, P.A., red.; SHAPOSHNIKOVA,
A.A., red.; LAUT, V.G., tekhn.red.

[Setting up an optional course in chemical analysis for
secondary schools] Opyt postanovki fakul'tativnogo kursa
khimicheskogo analiza v shkole. Moskva, Izd-vo Akad.pedagog.
nauk RSFSR, 1960. 255 p. (MIRA 14:1)
(Chemistry, Analytical)

RAYKOV, Boris Yevgen'yevich; SHAPOSHNIKOVA, Antonina Anatol'yevna, red.;
POLYANSKIY, Yuriy Ivanovich, prof., doktor biolog.nauk, red.;
YAKHONTOV, Aleksandr Aleksandrovich, prof., red.; TARASOVA, V.V.,
tekhn.red.

[Ways and methods of studying the natural sciences] Puti i metody
naturalisticheskogo prosveshcheniya. Moskva, Izd-vo Akad.pedagog.
nauk RSFSR, 1960. 483 p. (MIRA 14:4)

1. Izdatel'stvo Akademii pedagogicheskikh nauk RSFSR (for
Shaposhnikova).

(Science--Study and teaching)

KALISHEVSKAYA, Valentina Antonovna; SHAPOSHNIKOVA, A.A., red.; NOVOSELOVA,
V.V., tekhn. red.

[Teaching mechanical drawing in eight-year schools according to the
new program] O prepodavanii chercheniia v vos'miletnei shkole po no-
voi programme. Moskva, Izd-vo Akad.pedagog.nauk RSFSR, 1961. 34 p.
(MIRA 14:6)

(Mechanical drawing-- Study and teaching)

SHEVCHENKO, Ivan Nikitich; TSVETKOV, I.L., red.; SHAPOSHNIKOVA, A.A.,
red.; TARASOVA, V.V., tekhn. red.

[Methodology of teaching arithmetic in grades 5 and 6] Metodika pre-
podavaniia arifmetiki v V-VI klassakh. Moskva, Izd-vo Akad. pedagog.
nauk RSFSR, 1961. 389 p. (MIRA 14:12)
(Arithmetic—Study and teaching)

ZNAMENSKIY, P.A., prof., red.; NIKEROVA, L.I., starshiy nauchnyy sotr.;
SHAPOSHNIKOVA, A.A., red.; KOSAREVA, Ye.N., tekhn. red.; DOBRO-
KVASHINA, A.M., tekhn. red.

[Teaching physics and the fundamentals of production; from the
experience of Leningrad schools] Prepodavanie fiziki i osnov pro-
izvodstva; iz opyta raboty shkol Leningrada. Pod red. P.A.Zna-
menskogo i L.I.Nikerovoi. Moskva, Izd-vo Akad.pedagog.nauk
RSFSR, 1961. 118 p. (MIRA 14:12)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut vechernikh
(smennykh) i zaochnykh srednikh shkol. 2. Chlen-korrespondent Akademii
pedagogicheskikh nauk RSFSR (for Znamenskiy).

(Physics--Study and teaching)
(Leningrad--Education, Cooperative)

ZHIDELEV, M.A.; KALASHNIKOV, A.G.; GRACHEV, A.P., red.; ZNAMENSKIY,
A.A., red.; SHAPOSHNIKOVA, A.A., red.

[Mechanical engineering in school] Mashinovedenie v shkole.
Moskva, Izd-vo APN, 1961. 187 p. (MIRA 17:4)

SOKOLOVSKIY, Yuriy Iosifovich; GALANIN, D.D., red.; SHAPOSHNIKOVA,
A.A., red.; LEVINA, A.B., red.; TARASOVA, V.V., tekhn. red.

[The concept of work and the law of conservation of energy;
a scientific methodological analysis with a historical review]
Poniatie raboty i zakon sokhraneniia energii; nauchno-
metodicheskii analiz s istoricheskim ocherkom . Pod red. i s
predisl. D.D.Galanina. Moskva, Izd-vo Akad. pedagog. nauk
RSFSR, 1962. 339 p. (MIRA 15:11)

1. Chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR
(for Galanin).

(Force and energy)

BOTVINNIKOV, Aleksandr Davidovich, kand. ped. nauk; ROYTMAN,
Izrail' Abramovich; ANOKHIN, Grigoriy Aleksandrovich;
SHAPOSHNIKOVA, A.A., red.; NOVOSELOVA, V.V., tekhn.red.

[Teaching the reading of mechanical drawings during the
vocational training of students.] Obuchenie chteniiu cher-
tezhei v protsesse professional'noi podgotovki uchashchikh-
sia. Moskva, Izd-vo APN RSFSR, 1962. 172 p.

(MIRA 16:10)

(Mechanical drawing--Study and teaching)

PARMENOV, Konstantin Yakovlevich; SHAPOSHNIKOVA, A.A., red.;
NOVOSELOVA, V.V., tekhn. red.

[Chemistry as a school subject in prerevolutionary and
Soviet schools] Khimiia kak uchebnyi predmet v dorevo-
liutsionnoi i sovetskoi shkole. Moskva, Izd-vo APN
RSFSR, 1963. 357 p. (MIRA 17:3)

POKROVSKIY, Sergey Fedorovich; SHAPOSHNIKOVA, A.A., red.;
POLUKAROVA, Ye.K., tekhn. red.

[Experiments and observations in home work in physics;
textbook for teachers] Opyty i nabludeniia v domashnikh
zadaniakh po fizike; posobie dlia uchitelei. Izd.2., pe-
rer. i dop. Moskva, APN RSFSR, 1963. 415 p.
(MIRA 17:3)

PARMENOV, Konstantin Yakovlevich; SHAPOSHNIKOVA, A.A., red.

[Chemistry as a school subject in prerevolutionary and
Soviet schools] Khimiia kak uchebnyi predmet v dorevo-
liutsionnoi i sovetskoi shkole. Moskva, Izd-vo AFN
RSFSR, 1963. 357 p. (MIRA 17:12)

VERZILIN, Nikolay Mikhaylovich; KAZAKOVA, Ol'ga Vasil'yevna;
KORSUNSKAYA, Vera Mikhaylovna; MAKAROVA, Klavdiya
Grigor'yevna; SHAPOSHNIKOVA, A.A., red.

[Biology; a manual for students of eight-year evening
schools with an accelerated course of training] Biologiya;
uchebnoe posobie dlia uchaschikhsia klassov s uskorennym
srokom obucheniia vos'miletnei vechernei shkoly. [By] N.M.
Verzilin i dr. Moskva, Prosveshchenie, 1964. 415 p.
(MIRA 17:11)

NIKEROVA, L.I., red.; KULIKOV, V.N., red.; SHAPOSHNIKOVA, A.A.,
red.

[Experience in teaching physics in evening (staggered)
and correspondence schools] Opyt prepodavaniia fiziki v
vecherney (smennoi) i zaочноi shkole. Moskva, Izd-vo
APN, 1962. 158 p. (MIRA 18:12)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Lenin-
gradskiy institut vechernikh (smennykh) i zaочnykh sred-
nikh shkol.

LENSKIY, A.S.; SHAPOSHNIKOVA, A.D.; SOKOLOVA, Ye.S.

Thermal constants of chlorosulfonic acid and of mixtures
of fluosulfonic acid with sulfuric anhydride. Zhur. neorg.
khim. 9 no.5:1147-1154 My '64. (MIRA 17:9)

LENSKIY, A.S.; SHAPOSHNIKOVA, A.D.; ALLILUYEVA, A.S.

Physicochemical properties of difluorophosphoric acid. Zhur.
prikl.khim. 35 no.4:760-768 Ap '62. (MIRA 15:4)
(Phosphoric acid)

LOVSEY, A.S., KARPISHNIKOVA, A.I., KRYLOVA, Ye.I.

System fluoro-sulfonic acid - sulfuric anhydride. Zhur. neorg.
Khim. 3 no.12:2716-2726 1961. (MIRA 17:9)

SHAPOSHNIKOVA, A.N.

A the Plenum of the Central Administration of the
Scientific and technical Society for Light Industry.
Tekst.prom. 20 no.5:85 My '60. (MIRA 13:8)

1. Zamestitel' predsedatelya TSentral'nogo pravleniya
Nauchno-tekhnicheskogo obshchestva legkoy promyshlennosti.
(Textile industry)

S/131/61/000/001/001/004
B021/B058

AUTHORS: Shanoshnikova, A. A., Papakin, Kh. M., Ignatova, T. S.,
Flyagin, V. G.

TITLE: Production and Test of Casting-ladle Bricks With Addition
of Chromium-alumina Slag

PERIODICAL: Ogneupory, 1961, No. 1, pp. 3-7

TEXT: Experimental batches of casting-ladle bricks with addition of chromium-alumina slag (10.95% Cr_2O_3) were manufactured at the Department of Refractory Materials of the Nizhne-Tagil'skiy metallurgicheskiy kombinat (Nizhniy Tagil Metallurgical Combine). The test bricks were fired at 1420°C in an annular kiln. They were tested in the lining of 140 t casting ladles. The results: 1) Experimental batches of casting-ladle bricks with an addition of 20 and 28% chromium-alumina slag were manufactured and tested in 140 t casting ladles. 2) For the production of these bricks, a special production line with a tube mill must be installed at the Department of Refractory Materials of the Nizhniy Tagil Metallurgical

Card 1/2

Production and Test of Casting-ladle Bricks
With Addition of Chromium-alumina Slag

S/131/61/000/001/001/004
B021/B058

Combine. 3) The wear of test bricks with 28% chromium-alumina slag amounts to 4.2 mm per melt, that of bricks with 20% to 4.4 mm and of customary bricks to 8.1 mm, thus increasing the stability of the casting-ladle lining from 9.3 melts with customary bricks to 13 to 15 melts with the new bricks. 4) The increase of the stability of the test bricks by only one melt results in a saving of as much as 1,000,000 rubles annually. There are 3 figures, 5 tables, and 6 Soviet references.

ASSOCIATION: Nizhne-Tagil'skiy metallurgicheskiy kombinat im. Lenina
(Nizhniy-Tagil Metallurgical Combine imeni Lenin)
Shaposhnikova, A. A., Papakin, Kh. M; Vostochnyy institut
ogneuporov (Eastern Institute of Refractories) Ignatova, T.S.,
Flyagin, V. G. ✓

Card 2/2

36155

S/080/62/035/004/005/022
D267/D301

5.2400

AUTHORS: Lenskiy, A. S., Shaposhnikova, A. D. and Alliluyeva, A. S.

TITLE: Physico-chemical properties of difluorophosphoric acid

PERIODICAL: Zhurnal prikladnoy khimii, v. 35, no. 4, 1962, 760-768

TEXT: In view of the growing industrial importance of the difluorophosphoric acid the authors decided to carry out a detailed study of the following properties of this substance: Density, viscosity and saturated vapor pressure as functions of temperature. The method of preparing the acid and the apparatus used for the various determinations are described in detail. For the density the following equation was obtained by the method of least squares (for the range from -40 to +60°C):

$$D_4^t = 1.6397 - 2.451 \cdot 10^{-3} \cdot t + 1.12 \cdot 10^{-6} \cdot t^2 \quad (3) \quad X$$

Card 1/3

S/080/62/035/004/005/022
D267/D301

Physico-chemical properties ...

where D_4^T is in g/ml and t in deg. C. The equation for viscosity (η in poises) at temperatures T (in deg. K) was

$$\lg \eta = -1.27912 + \frac{405.35}{T} - 0.0045507 \cdot T \quad (4)$$

(for the range from -40 to $+45^\circ\text{C}$). For the saturated vapor pressure (range from -22 to $+108^\circ\text{C}$) the following equation was obtained by the static method:

$$\lg P = -\frac{421.195}{T} - 0.478214 \cdot \log T + 0.0137121 \cdot T \quad (5)$$

whereas the dynamic method (ebullioscopy) yielded

Card 2/3

PEKHOV, Aleksandr Petrovich,; SHAPOSHNIKOVA, A.N., red.; FEDOTOVA, A.F.,
tekhn. red.

[What viruses are] Chto takoe virusy. Moskva, Gos. izd-vo
sel'khoz. lit-ry, 1958. 63 p. (MIRA 11:11)
(VIRUSES)

FADEYEV, Leonid Aleksandrovich, prof., doktor veterin.nauk; SHAPOSHNIKOVA,
A.N., red.; BALLOD, A.I., tekhn.red.; ZUBRILINA, Z.P., tekhn.red.

[Prescriptions in veterinary medicine] Retsepty veterinarnoi
terapii. Izd.3., perer. i dop. Moskva, Gos.izd-vo sel'khoz.
lit-ry, 1958. 151 p. (MIRA 12:4)
(Veterinary medicine—Formulae, receipts, prescriptions)

MOSIN, Vasiliy Vasil'yevich; SHAPOSHNIKOVA, A.M., red.; YARNYKH, A.M.,
red.; GUREVICH, M.M., tekhn.red.

[Recent developments in the treatment of inflammations of the
abdominal organs in animals; methodological manual for veterinary
physicians] Novoe v lechenii vospaleniia organov briushnoi polosti
u zhivotnykh; metodicheskoe posobie dlia veterinarnykh vrachei.
Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 53 p. (MIRA 13:1)
(Abdomen--Diseases) (Veterinary medicine) (Novocaine)

MUSAYEV, Musa Abdurakhmanovich, doktor veterin.nauk; SHAPOSHNIKOVA, A.N.,
red.; YARNYKH, A.M., red.; BALLOD, A.I., tekhn.red.

[Leptospirosis in cattle] Leptospiroz krupnogo rogatogo skota.
Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 378 p. (MIRA 13:2)
(Leptospirosis) (Cattle--Diseases and pests)

SHUR, I.V., prof., doktor veterinar.nauk, red.; USACHEVA, I.G., red.;
SHAPOSHNIKOVA, A.N., red.; GOR'KOVA, Z.D., tekhn.red.

[Manual on veterinary inspection of slaughtered animals and
meat production] Rukovodstvo po veterinarno-sanitarnoi ekspert-
ize produktov uboia zhivotnykh i gigiene miasnogo proizvodstva.
Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 687 p. (MIRA 12:10)
(Veterinary hygiene) (Meat inspection)

15-
104
Increase of the effectiveness of phosphates in red soils
D. I. Askina and A. N. Shaposhnikova. *Ecology*

1. 2. 3. R. 1919. No. 1, 51. 18. *Agro. Natural. Zhur.*
1919. No. 11, 50. Results of vegetation experiments on given
To Chakva red soil were applied lime, metallurgical slag,
silica gel, Ca humate and peat. Lime was added to silica
gel, Ca humate and peat in order to obtain the required
pH for the soil. Superphosphate in doses of 250 mg. of
P₂O₅ mixed with the whole soil showed no effect. The
same dose added with 100 g. of the soil layer in the vessel
increased the crop from 2.7 to 70 g. Superphosphate in
doses of 250 mg. of P₂O₅ mixed with 100 g. of the peat
increased the crop when added in a layer in the middle of
the vessel increased the effectiveness of the fertilizer.
Superphosphate did not have any effect on the availability of super-
phosphate; addition of lime to superphosphate increased
the yield of oats. Lime alone produced even slightly
better results. Metallurgical slag is similar to lime in its
effect.
W. R. Henn

ASH 55.8 METALLURGICAL LITERATURE CLASSIFICATION

SHAPOSHNIKOVA, A. I.

"Effect of Different kinds of Phosphates on Red Soils," Pedology, No. 1, 1944.

CA

15

The influence of various forms of phosphates on red loams (Krasnozern). D. I. Askinazi and A. N. Shaposhnikova. *Podology* (U. S. S. R.) 1944, No. 6, 285-93 (in English, 283).-- On red acid soils of Chakva (Caucasus) the effect of superphosphate, pptd. phosphate, phosphorite and Ca glycerophosphate was very low under conditions of pot expts. when materials were mixed with the soil. When applied in bands the phosphorites gave the poorest yield and the lowest P_2O_5 intake by plants. With the addn. of $CaCO_3$ the effectiveness of all phosphates, except phosphorite, has increased. Best results were obtained with pptd. phosphates plus $CaCO_3$. J. S. Joffe

Soil Inst. in V.V. Dokuchayev, AS USSR

ASR 55.4 METALLOGICAL LITERATURE CLASSIFICATION

SHAPOSHNIKOVA, A. M. Cand. Agricult. Sci.

Dissertation: "Increasing the Utilization Coefficient of Phosphates in Acid Soils." Soil Inst imeni V.V. Dokuchayev, Acad Sci USSR, 2 Jul 47.

SO: Vechernyaya Moskva, Jul, 1947 (Project #17836)

A. S. SHAPOSHNIKOV, A. N.

Soils + Fertilizers - 15

Increasing the effectiveness of acid phosphate fertilizer on
sod-podzol soils. A. N. Shaposhnikov. *Trudy Pochven-
nogo Inst. im. V. V. Dokuchaeva Akad. Nauk S.S.S.R.* 31,
252-59 (1930).—It is shown that superphosphate was most
effective on podzol soils when the pH of the soil was raised to
6.0-7.0 by the addn. of limestone. J. S. Joffe

1. I. KH. AMALMURDOVA

2. USSR (600)

4. Chkalov Province - Fishes

7. Ichthyofauna of the artificial ponds in the shelterbelt regions of the East Kazakhstan and Chkalov provinces. Trudy Zool. inst. 11. 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

SHAPOSHNIKOVA, G. Kh.

Carp of the Ural River and possibilities of using them for breeding
in artificial ponds in the Ural foothills. Trudy Zool. inst. 16:
576-610 '54.

(Ural Valley--Carp)

(MLRA 8:6)

SHAPOSHNIKOVA, G.Kh.

Fishes of the Tshchikskoye Reservoir in Krasnodar Territory.
Trudy Zool.inst. 26:375-413 '59. (MIRA 13:5)
(Tshchikskoye Reservoir--Fishes)

SHAPOSHNIKOVA, G.Kh.

Some data on *Dallia pectoralis* Bean of the Chukchi Peninsula.
Vop.ikht. no.14:29-33 '60. (MIRA 13:8)

1. Zoologicheskiiy institut Akademii nauk SSSR.
(Chukchi Peninsula--Blackfish)

SHAFOSHNIKOVA, G.Kh.

Biological foundations of fishery management. Zool. zhur. 40
no.8:1265-1267 Ag '61. (MIRA 14:8)
(Fisheries--Congresses)

SHAPOSHNIKOVA, Gayana Khristoforovna; ZHADIN, V.I., prof., otv. red.
GIDALEVICH, A.M., Fed.

[Biology and distribution of fishes in rivers of the Ural
River type] Biologiya i raspredelenie ryb v rekakh Ural'skogo
tipa. Moskva, Nauka, 1964. 174 p. (MIRA 17:11)

GOZMAN, R.G.; SHAPOSHNIKOVA, G.N.

Using Kharkov marls in diluting clinker cements. Sbor. trud. IUZHNII
no.2:21-27 '59. (MIRA 13:9)

1. Upravleniya nachal'nika rabot No.610 tresta No.86 (for Gozman)
 2. Yuzhnyy nauchno-issledovatel'skiy institut po stroitel'stvu (for Shaposhnikova).
- (Cement) (Marl)

S/171/61/014/006/004/005
E075/E136

AUTHORS: Tarayan, V.M., Arstamyam, Zh.M., and
Shaposhnikova, G.N.

TITLE: Coprecipitation of small amounts of selenium and
tellurium with ferric hydroxide.
Part I. Precipitation of selenium.

PERIODICAL: Akademiya nauk Armyanskoy SSR. Izvestiya.
Khimicheskkiye nauki, v.14, no.6, 1961, 551-559

TEXT: The authors investigated: 1) the behaviour of Se (IV)
in the presence of Te (IV) during their simultaneous precipitation
with $\text{Fe}(\text{OH})_3$; 2) influence of elements which are always present
in the sulphide ores such as Cu, Pb, Cd, Zn, Mo;
3) the possibility of single stage precipitation of Se with
 $\text{Fe}(\text{OH})_3$; and 4) the possibility of application of the
precipitation method for determination of Se and Te in sulphide
ores. The experiments were conducted with 0.05-0.5 mg of Se and
300 mg Fe salt. Precipitation was carried out with NH_4OH in the
presence of NH_4Cl . Se coprecipitated with $\text{Fe}(\text{OH})_3$ was determined
colorimetrically. It was shown that the precipitation of Se with
Card 1/2

Coprecipitation of small amounts

S/171/61/014/006/004/005
E075/E136

$\text{Fe}(\text{OH})_3$ was completed between $\text{pH} = 6$ to 8 . At $\text{pH} = 8$ the percentage of Se precipitated decreases. The quantity of Se which is fully precipitated with 300 mg of Fe (single precipitation) did not exceed 0.4 mg. The best results were obtained by precipitating $\text{Fe}(\text{OH})_3$ by dropwise addition of concentrated NH_4OH at room temperature. This method gives a $\text{Fe}(\text{OH})_3$ with a maximum specific surface. It was established that Se is adsorbed on $\text{Fe}(\text{OH})_3$ when the latter precipitates. As the amount of adsorbed Se decreases with increasing temperature the best separation of Se was achieved at room temperature. Se is quantitatively precipitated with Se between $\text{pH} 6.4$ to 8.1 . Considerable quantities of Cu, Zn, Pb, Cd and Mo (up to 300 mg) did not influence the process of Se precipitation with $\text{Fe}(\text{OH})_3$. There are 6 figures and 1 table.

ASSOCIATION: Institut geologii AN ArmSSR
Yerevanskiy gosudarstvennyy universitet
(Geology Institute AS Arm. SSR
Yerevan State University)

SUBMITTED: July 5, 1961
Card 2/2

L 57466-65 EWT(m)/EWG(m)/EWP(J)/T/EWP(t)/EWP(b) Pc-4 IJP(c) RDW/JD/RM

ACCESSION NR: AP5015848

UR/0171/65/018/002/0625/0226

541.49+546.23+547.496.3

23
22
B

AUTHOR: Ovsepyan, Ye. N.; Tarayan, V.M.; Shaposhnikova, G.N.

TITLE: Complex⁷ between selenium⁷ and thiourea

SOURCE: AN ArmSSR. Izvestiya. Khimicheskiye nauki, v. 18, no. 2, 1965, 225-226

TOPIC TAGS: selenium complex, thiocarbamide, selenium determination, thiourea complex, selenious acid

ABSTRACT: Heretofore, the reaction of selenious acid with thiourea has been treated as an oxidation-reduction process resulting in the formation of elemental selenium. The authors found that thiourea not only reduces selenious acid to selenium, but also dissolves the latter; this dissolution is faster the higher the concentration of thiourea and acid (HCl and H₂SO₄). The dissolution of elemental selenium in thiourea and the lack of formation of a solid phase (selenium) at suitable acidities are the result of the formation of a complex compound between selenium and thiourea. The existence of this complex was confirmed by polarographic and spectrophotometric analysis: the polarographic half-wave potential of selenious acid was shifted toward more negative values upon addition of urea, and the spectral absorption peak of 230 mμ with a molar extinction

Card 1/2

57466-65

ACCESSION NR: AP5015848

coefficient of 26,500 was very different from the peaks of solutions of pure selenious acid and pure urea; in other words, a marked deviation from additivity was observed. Studies of the properties and composition of this complex compound are being continued. It is apparent that this complexing reaction can be used for the spectrophotometric determination of selenium, and also of selenium in the presence of tellurium. Orig. art. has: 1 figure.

ASSOCIATION: Kafedra analiticheskoy khimii, Yerevansky gosudarstvennyy universitet
(Department of Analytical Chemistry, Yerevan State University)

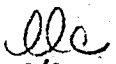
SUBMITTED: 31Dec64

ENCL: 00

SUB CODE: IC

NO REF SOV: 000

OTHER: 001


Card 2/2

OVSEPYAN, Ye.N.; TARAYAN, V.M.; SHAPOSHNIKOVA, G.N.; VARTANYAN, S.A.;
TOSUNYAN, A.O.; MESROPYAN, L.G.; KUROYAN, R.A.

Letters to the editors. Izv. AN Arm.SSR. Khim. nauki 18
no.2:225-228 '65. (MIRA 18:11)

1. Yerevanskiy gosudarstvennyy universitet, kafedra anali-
ticheskoy khimii (for Ovsepyan, Tarayan, Shaposhnikova).
2. Institut organicheskoy khimii AN ArmSSR (for Vartanyan,
Tosunyan, Mesropyan, Kuroyan).

SHAPOSHNIKOVA, I. I.
USSR/Geophysics - Condensation nuclei

Card 1/1

Author : Smirnov, N. S., Tantsova, N. N., and Shaposhnikova, I. I.

Title : Problem of the origin of condensation nuclei

Periodical : Izv. AN SSSR, Ser. geofiz. 3, 293-298, May/Jun 1954

Abstract : Present the results of systematic measurements of content of ultramicroscopic particles in the air. Show that in the supplying of the atmosphere with condensation nuclei a large role is played by the productive activity of people, but the main factors cleansing the atmosphere of condensation nuclei are precipitation, fogs and high humidity of the air. 5 references-3 Soviet.

Institution : Geophysics Institute, Acad Sci USSR

Submitted : Dec 12, 1952

ALIAYEV, Sh.A., kand.tekhn.nauk; POLOZHIY, F.M.; MASTER, A.Z.; ZHISLIN, I.M.;
SHAPOSHNIKOVA, I.I.; NABOKIN, V.F.; MAKSENOVA, A.I.;
BOYKO, A.A., red.; LERNER, B.I., red.; MIRCSEICHENKO, V.D.,
red. izd-va; LOMILINA, L.N., tekhn. red.

[Karaganda soil basin; reference book] Karagandinskii ugol'nyi
bassein; spravochnik. Pod obshchei red. A.A.Boiko i B.I.
Lernera. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu
delu, 1962. 367 p. (MIRA 15:3)

1. Karagandinskiy khimiko-metallurgicheskiy institut Akademii
nauk Kazakhskoy SSR (for Altayev). 2. Karagandinskiy sovnarkhoz
(for Polozhiy, Master, Zhislin, Shaposhnikova). 3. Kombinat
Karagandaugol' (for Nabokin). 3. Karagandinskiy nauchno-
issledovatel'skiy ugol'nyy institut (for Maksimova).
(Karaganda Basin--Coal mines and mining)

SILVERMAN, I. I., Sand Tech Let --(Disc) "Description of nitrous
oxide as the solid hydrate of calcium oxide." [Dewey trend], 1950. 30 pp
(in of Higher Education USSR. Dewey trend "A technical text in P.E.
Dewey trend), 120 copies (EL, 46-58, 1-1)

- 47 -

SHAPOSHNIKOVA, I.M.

Effect of mineral nutrition and the density of plants on the dynamics of nutrient substances in silty-loam Chernozem soils and their uptake by corn. Pochvovedenie no.7:46-52 JI '63.
(MIRA 16:8)

1. Donskoy nauchno-issledovatel'skiy institut sel'skogo khozyaystva.

(Corn(Maize)—Fertilizers and manures)
(Chernozem soils)

SHAPOSHNIKOVA, I.V.

Solutions killing the root knot nematode. Zashch. rast. ot vred. i
bol. 7 no.8:37 Ag '62. (MIRA 15:12)

1. Marfinskiy oporny punkt Vsesoyuznogo instituta zashchity rasteniy.
(Root knot) (Nematocides)

SHAPOSHNIKOV, K.K.; SHAPOSHNIKOVA, K.I.

Tectonic regionalization of northeastern Yakutia based on geophysical data. Geol. i geofiz. no.3:42-47 '61. (MIRA 14:5)

1. Yakutskiy filial Sibirskogo otdeleniya AN SSSR.
(Yakutia---Geology, Structural)